

What is claimed is:

1. A side panel of a refrigerator door comprising:

a cover part having a side shape of a refrigerator door;

5 an insertion rib formed extended with a certain thickness and height at one marginal portion of the cover part;

a hinge insertion part formed at the other side of the cover part and coupled to a hinge coupled to a refrigerator body; and

10 a coupling unit formed at one side of the insertion rib and fixedly coupled by being caught at a front panel of the refrigerator door.

2. The side panel of claim 1, wherein the insertion rib comprises:

a front side rib portion formed at an edge of the front side and both sides of the cover part and inserted into the end portion of the front panel;

15 a rear side rib portion formed at an edge of a rear side of the cover part;

an overlap rib portion formed at both ends of the rear edge of the cover part, having a certain length, and distanced from the rear rib portion; and

20 an outer side rib portion formed at both ends of the cover part and overlapping with the both sides of the front side rib portion and the overlap rib portion.

3. The side panel of claim 1, wherein the coupling unit is provided at both side portions of the insertion rib so as to be positioned at both sides of the front panel.

25

4. The side panel of claim 1, wherein the coupling unit comprises:
a slit having a cantilever form with a certain length formed at one side of
the insertion rib;

an elastic portion formed inside the slit, of which one side fixed, and
5 having a cantilever form with a certain length; and
an engaging portion formed extendedly protruded at one side of the elastic
portion.

5. The side panel of claim 4, wherein the elastic portion has the
10 same longitudinal direction as that of the refrigerator door.

6. The side panel of claim 4, wherein the engaging portion is formed
protruded at an outer side of the insertion rib and the width of an end side of the
elastic portion is thicker than an inner side thereof.

15

7. The side panel of claim 6, wherein the engaging portion has a
triangular form in its side section.

8. The side panel of claim 6, wherein a rectangular through hole is
20 formed respectively at both side of the front panel and the coupling unit is fixedly
engaged in the through hole of the front panel.

9. The side panel of claim 1, wherein the hinge insertion part is
formed at both end portions of the cover part in a longitudinal direction.

25

10. A side panel coupling structure of a refrigerator door including a front panel formed at a front surface of a refrigerator door and having both end portions formed in a bent rectangular form; a side panel coupled to an upper end or a lower end of the front panel; and a rear panel coupled to an inner side of the front panel,

wherein through holes are formed at both sides of the front panel, a coupling unit is provided at the side of the side panel, and the coupling unit of the side panel is fixedly coupled into the through holes of the front panel.

11. The coupling structure of claim 10, wherein the coupling unit comprises:

a slit having a cantilever form with a certain length formed at one side of the side panel;

an elastic portion formed inside the slit, of which one side fixed, and having a cantilever form with a certain length; and

an engaging portion formed extendedly protruded at one side of the elastic portion.